

ABSTRACT

The objects of the present invention are to provide a highly weather-resistant iron-based magnet powder containing a rare-earth element, characterized by high coercive force in a practically important humid atmosphere, resin composition containing the same powder for bonded magnets, and bonded and compacted magnets containing the same powder. The present invention provides the above-described products by optimizing the functions and types of the phosphate coating film, uniformly formed over the surfaces of the iron-based magnet powder particles containing a rare-earth element.

2024-09-09